

NISKA et al.
Serial No. 08/958,337

said configuration information also being in the format of the common abstract resource information model; and

receiving the configuration information at the base station in the format of the common abstract resource information model, and configuring the base station based on the configuration information.

17. A method according to claim 16, wherein the step of communicating the capabilities of the base station includes the step of communicating the capabilities of a completely new base station being brought into an existing radio traffic of the communication network.

18. A method according to claim 16, wherein the base station automatically creates the abstract resource information model based on hardware and software infrastructures of the base station.

19. A method according to claim 18, wherein the abstract resource information model is created using combinational relationships between various hardware and software infrastructure objects of the base station and attribute information for various hardware and software infrastructure objects of the base station.

20. A method according to claim 19, wherein the hardware and software infrastructure objects in the abstract resource information model include frequency spectrum information, maximum power information, and channel type information and

26

NISKA et al.
Serial No. 08/958,337

wherein the combinational relationships between the objects describe relationships between radio connection units, carrier units and antenna units.

21. A method of bringing a base station having modified base station capabilities into existing cellular radio traffic being coordinated by a network manager comprising the steps of:

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automatically sending to the network manager capabilities information corresponding to operational capabilities of the modified base station, said capabilities information being in a format of a common abstract resource information model, and automatically receiving configuration information from the network manager identifying operational parameters for use by the modified base station in administering the cellular radio traffic, said configuration information also being in the format of the common abstract resource information model.

22. A method according to claim 21, wherein the step of communicating the capabilities of the base station includes the step of communicating the capabilities of a completely new base station being brought into an existing radio traffic of the communication network.

23. A method according to claim 21, wherein the base station automatically creates the abstract resource information model based on hardware and software infrastructures of the base station.